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IN THE CLAIMS

Please cancel claims 1-7 and add the attached new claims 8-14.

REMARKS

Prior to a formal examination of the above-identified application, acceptance of the new claims and the enclosed substitute specification (under 37 CFR 1.125) is respectfully requested. It is believed that the substitute specification and the new claims will facilitate processing of the application in accordance with M.P.E.P. 608.01(q). The substitute specification and the new claims are in compliance with 37 CFR 1.52 (a and b) and, while making no substantive changes, are submitted to conform this case to the formal requirements and long-established formal standards of U.S. Patent Office practice, and to provide improved idiom and better grammatical form.

The enclosed substitute specification is presented herein in both marked-up and clean versions.

STATEMENT

The undersigned, an agent registered to practice before the Office, hereby states that the enclosed substitute specification includes the same changes as are indicated in the marked-up copy of the original specification. It does not contain new subject matter.

Respectfully submitted,



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Claims

1-7 Canceled

8. (New) A method for valve calibration of an analog controlling, electrically actuatable hydraulic valve in a device, in particular an electrohydraulic pressure control device (4), including at least one externally supplied pressurization unit (1, 1') and pressure sensors (9, 10, 10', 10'', 10'''), with said device comprising several pressure control circuits (A, B, C, D) as well as especially several brake circuits (I., II.), and with at least some pressure control circuits being connected to a pressure sensor associated with this circuit and to inlet and outlet valves, the method comprising:

performing two or more calibration routines to generate and store automatically established calibration data;

during or prior to each calibration routine, producing pressure by an externally supplied pressurization unit (1, 1') in at least one pressure control circuit (A, B, C, D); and

recording calibration data for one or more analog controlling hydraulic valves by using pressure that has built up.

9. (New) A method according to claim 8, wherein a first pressure control circuit (A) is used as a pressure accumulator and the calibration data of a valve is recorded in at least one additional pressure control circuit (B) which is other than the first circuit.
10. (New) A method according to claim 9, wherein pressure is built up also in least one additional circuit with the valve (3') being calibrated by the externally supplied pressurization unit, and this pressure is lower than the pressure in the first circuit.

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11. (New) A method according to claim 8, wherein the calibration data comprises the differential pressure or variables that can be derived therefrom, and the differential pressure at which the opening current of the valve shall be measured is initially adjusted by opening the same valve, with hydraulic volume of the first circuit being discharged into the additional circuit, whereupon the opened valve will be closed again in full extent.
12. (New) A method according to claim 11, wherein the valve is slowly opened at a differential pressure previously adjusted and measured by variation of the valve current, and the opening current is measured when the pressure in the first or the additional circuit or the differential pressure has changed by a fixed predefined degree.
13. (New) A method according to claim 8, wherein for establishing the calibration data, several test values or several measuring routines are taken into account in order to improve accuracy or for redundancy.
14. (New) Pressure control device for electronic brake systems of driving dynamics control systems, the pressure control device comprising:

a microcomputer which implements a method including;

performing two or more calibration routines to generate and store automatically established calibration data;

during or prior to each calibration routine, producing pressure by an externally supplied pressurization unit (1, 1') in at least one pressure control circuit (A, B, C, D); and

recording calibration data for one or more analog controlling hydraulic valves by using pressure that has built up.